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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,858	12/15/2005	Masanobu Miki	126346	2354
25944 7590 04/21/2009 OLIFF & BERRIDGE, PLC			EXAMINER	
P.O. BOX 320850			MAYEKAR, KISHOR	
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			1795	
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			04/21/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/560,858 MIKLET AL. Office Action Summary Examiner Art Unit Kishor Mavekar 1795 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 13 March 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 12/05 & 03/08.

Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

Attachment(s)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.

6) Other:

5) Notice of Informal Patent Application

DETAILED ACTION

Specification

 The disclosure is objected to because of the following informalities: The continuing data (or cross-reference to related applications) in page 1 is missing.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite
for failing to particularly point out and distinctly claim the subject matter which applicant
reaards as the invention.

Regarding claim 1, the recitation "plate-like" is confusing as to its meaning and its difference with the term "plate". The recitation "each having a plurality ..." is confusing as to which recited structure the term "each" correlates. The recitation "an arrangement pattern of ... being different" is confusing as whether the arrangement is the same as that recited earlier or different. The same is applied to the recitation "application of voltage between the pair of electrodes".

Regarding claim 2, the same is applied to claim 1 to the recitation "plate-like" and "application of voltage between the pair of electrodes". Further, the recitation

"generating plasma" in the preamble needs to be amended as --capable of generating

plasma-- as in claim 1 to eliminate reference to the operating of the claimed plasma

generating electrode.

Regarding claim 3, the recitation "a plane" is confusing as whether it is the same plane recited in claim 1 or another.

Allowable Subject Matter

- Claims 1-8 would be allowable if rewritten or amended to overcome the rejection(s)
 under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- The following is a statement of reasons for the indication of allowable subject matter: Because the prior art references do not disclose

i) a plasma generating element with the recited pair of electrode with conductive films having a plurality of through holes formed through the conductive film in its thickness direction in a predetermined arrangement pattern, wherein the arrangement pattern of the through-holes formed in at least one of the conductive films being different from that formed in the other conductive film and wherein the plasma generating element being capable of simultaneously generating different states of plasma

upon the application of voltage between the pair of electrodes due to the different arrangement patterns of the through-holes in the conductive film as claimed in claims 1 and 3-6:

ii) a plasma generation device comprising the plasma generating element of claim 1 as claimed in claims 7 and 8: and

iii) a plasma generating element with the recited pair of electrode with conductive films having a plurality of through holes formed through the conductive film in its thickness direction in two or more different arrangement patterns and wherein the plasma generating element being capable of simultaneously generating different states of plasma upon the application of voltage between the pair of electrodes due to the different arrangement patterns of the through-holes in the conductive film as claimed in claim 2.

Conclusion

Any inquiry concerning this communication or earlier communications from the 6. examiner should be directed to Kishor Mayekar whose telephone number is (571) 272-1339. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1795

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kishor Mayekar/ Primary Examiner, Art Unit 1795